



Patent Application

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ABSTRACT

A battery cap device, "Acid Stripper", to be used in the formation process of battery manufacturing. The cap's design is not applicable for use by the end user of the batteries. During the formation process, the batteries internally generate gasses which vent out from the top cover of the battery, carrying the acid mist with them. The release of this acid mist is an undesirable condition. The vented battery cap or "Acid Stripper" herein consists of a battery cap with gasket on which is welded and attached a static mixing tube. The static mixing tube has a double helix insert that removes the liquid acid and mist carried by the gasses, and drains it back into the battery. This substantially prevents any acid from escaping to the outside of the battery during the formation process. The prevention of the acid escape eliminates the damage to the floor, the environment, the equipment and the people breathing the air.